

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 19603/3232 (CRF D-2587B)	SERIAL NO. 09/846,588
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Goldman et al.	
(use several sheets if necessary) (PTO-1449)		FILING DATE May 1, 2001	GROUP ART UNIT To Be Assigned <i>1636</i>

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>QN</i>	1	5,082,670	01/21/92	Gage et al.			
	2	5,196,315	03/23/93	Ronnett et al.			
	3	5,308,763	05/03/94	Ronnett et al.			
	4	5,491,084	02/13/96	Chalfie et al.			
<i>QN</i>	5	5,661,032	08/26/97	Miller et al.			

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<i>QN</i>	6	WO 96/38541	05/12/96	PCT			

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<i>QN</i>	7	Gage et al., "Isolation, Characterization, and Use of Stem Cells From the CNS," <u>Annu. Rev. Neurosci.</u> 18:159-192 (1995)
	8	Gage et al., "Survival and Differentiation of Adult Neuronal Progenitor Cells Transplanted to the Adult Brain," <u>Proc. Natl. Acad. Sci. USA</u> 92:11879-11883 (1995)
	9	Gao et al., "Neurotrophin-4/5 (NT-4/5) and Brain-Derived Neurotrophic Factor (BDNF) Act at Later Stages of Cerebellar Granule Cell Differentiation," <u>J. Neurosci.</u> 15(4):2656-2667 (1995)
	10	Memberg et al., "Proliferation, Differentiation, and Survival of Rat Sensory Neuron Precursors <i>In Vitro</i> Require Specific Trophic Factors," <u>Mol. Cell. Neurosci.</u> 6:323-335 (1995)
	11	Hoshimaru et al., "Differentiation of the Immortalized Adult Neuronal Progenitor Cell Line HC2S2 into Neurons by Regulatable Suppression of the <i>v-myc</i> Oncogene," <u>Proc. Natl. Acad. Sci. USA</u> 93:1518-1523 (1996)
	12	Ockel et al., "In Vivo Effects of Neurotrophin-3 During Sensory Neurogenesis," <u>Development</u> 122:301-307 (1996)
	13	Gravel et al., "Adenoviral Gene Transfer of Ciliary Neurotrophic Factor and Brain-Derived Neurotrophic Factor Leads to Long-Term Survival of Axotomized Motor Neurons," <u>Nature Medicine</u> 3:765-770 (1997)
<i>QN</i>	14	Ribotta et al., "Prevention of Motoneuron Death by Adenovirus-Mediated Neurotrophic Factors," <u>J. Neurosci. Res.</u> 48:281-285 (1997)

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<i>QN</i>	15	5,654,189	08/05/97	Lee et al.			
	16	5,750,376	05/12/98	Weiss et al.			
	17	5,753,505	05/19/98	Luskin			
	18	5,753,506	05/19/98	John			
<i>QN</i>	19	5,874,304	02/23/99	Zolotukhin et al.			

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<i>QN</i>	20	WO 97/07200	02/27/1997	PCT			

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<i>QN</i>	21	DiPolo et al., "Prolonged Delivery of Brain-Derived Neurotrophic Factor by Adenovirus-Infected Müller Cells Temporarily Rescues Injured Retinal Ganglion Cells," <i>Proc. Nat'l. Acad. Sci. USA</i> 95:3978-3983 (1998)
	22	Fariñas et al., "Characterization of Neurotrophin and Trk Receptor Functions in Developing Sensory Ganglia: Direct NT-3 Activation of TrkB Neurons In Vivo," <i>Neuron</i> 21:325-334 (1998)
	23	Fukumitsu et al., "Simultaneous Expression of Brain-Derived Neurotrophic Factor and Neurotrophin-3 in Cajal-Retzius, Subplate and Ventricular Progenitor Cells During Early Development Stages of the Rat Cerebral Cortex," <i>Neurosci.</i> 84(1):115-127 (1998)
	24	Kempermann et al., "New Nerve Cells for the Adult Brain. Adult Neurogenesis and Stem Cell Concept in Neurological Research," <i>Nervenarzt</i> 69(10):851-857 (1998) (English abstract)
	25	Isenmann et al., "Excess Target-Derived Brain-Derived Neurotrophic Factor Preserves the Transient Uncrossed Retinal Projection to the Superior Colliculus," <i>Mol. Cell. Neurosci.</i> 14:52-65 (1999)
	26	Kukekov et al., "Multipotent Stem/Progenitor Cells with Similar Properties Arise from Two Neurogenic Regions of Adult Human Brain," <i>Experimental Neurology</i> 156:333-344 (1999)
	27	Takahashi et al., "Retinoic Acid and Neurotrophins Collaborate to Regulate Neurogenesis in Adult-Derived Neural Stem Cell Cultures," <i>J. Neurobiology</i> 38:65-81 (1999)
<i>QN</i>	28	Zaheer et al., "Enhanced Expression of Neurotrophic Factors by C6 Rat Glioma Cells After Transfection with Glia Maturation Factor," <i>Neuroscience Letters</i> 265:203-206 (1999)

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QN	29	5,766,948	06/16/98	Gage et al.			
	30	5,770,414	06/23/98	Gage et al.			
	31	5,780,300	07/14/98	Artavanis-Tsakonas et al.			
	32	5,837,535	11/17/98	Joseph et al.			
QN	33	5,851,832	12/22/98	Weiss et al.			

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QN	35	Ahmed et al., "BDNF Enhances the Differentiation but Not the Survival of CNS Stem Cell-Derived Neuronal Precursors," <u>J. Neurosci.</u> 15(8):5765-5778 (1995) <i>Cited in PTO -892 Paper #8. Duplicate</i>
	36	Alvarez-Buylla et al., "Neuronal Stem Cells in the Brain of Adult Vertebrates," <u>Stem Cells</u> 13:263-72 (1995)
	37	Bejooshi et al., "Direct In Vivo Gene Transfer to Ependymal Cells in the Central Nervous System Using Recombinant Adenovirus Vectors," <u>Nature Genetics</u> 3:229-234 (1993) <i>Cited in PTO - 892 Paper #8. Duplicate</i>
	38	Craig et al., "In Vivo Growth Factor Expansion of Endogenous Subependymal Neural Precursor Cell Populations in the Adult Mouse Brain," <u>J. Neurosci.</u> 16(8):2649-2658 (1996)
	39	Driesse et al., "Intra-CSF Administered Recombinant Adenovirus Causes an Immune Response-Mediated Toxicity," <u>Gene Therapy</u> 7:1401-1409 (2000)
	40	Goldman et al., "Neuronal Precursors of the Adult Rat Subependymal Zone Persist into Senescence, With No Decline in Spatial Extent or Response to BDNF," <u>J. Neurobiology</u> 32:554-566 (1997)
	41	Goldman et al., "Neural Precursors and Neuronal Production in the Adult Mammalian Forebrain," <u>Ann. N.Y. Acad. Sci.</u> 835: 30-55 (1997)
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CW	43	5,958,767	09/28/99	Snyder et al.			
	44	5,968,829	10/19/99	Carpenter			
	45	5,980,885	11/09/99	Weiss et al.			
	46	6,000,772	12/14/99	Miller et al.			
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CW	49	Goldman et al., "In Vitro Neurogenesis by Neuronal Precursor Cells Derived from the Adult Songbird Brain," <i>J. Neurosci.</i> 12(7):2532-2541 (1992)
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	51	Guan et al., "Selective Neuroprotective Effects with Insulin-Like Growth Factor-1 in Phenotypic Striatal Neurons Following Ischemic Brain Injury In Fetal Sheep," <i>Neuroscience</i> 95(3):831-839 (2000)
	52	Ivkovic et al., "Expression of the Striatal DARPP-32/ARPP-21 Phenotype in GABAergic Neurons Requires Neurotrophins <i>In Vivo and In Vitro</i> ," <i>J. Neurosci.</i> 19(13):5409-5419 (1999)
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	55	Kuhn et al., "Epidermal Growth Factor and Fibroblast Growth Factor-2 Have Different Effects on Neural Progenitors in the Adult Rat Brain," <i>J. Neurosci.</i> 17(15):5820-5829 (1997)
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QN	58	Lindsay et al., "Neurotrophic Factors: From Molecule to Man," <u>Trends in Neurosciences</u> 17(5):182-190 (1994)
	59	Lois et al., "Chain Migration of Neuronal Precursors," <u>Science</u> 271:978-981 (1996)
	60	Magavi et al., "Induction of Neurogenesis in the Neocortex of Adult Mice," <u>Nature</u> 405:951-955 (2000)
	61	Menezes et al., "The Division of Neuronal Progenitor Cells During Migration in the Neonatal Mammalian Forebrain," <u>Mol. Cell. Neurosci.</u> 6:496-508 (1995)
	62	Mizisin et al., "BDNF Attenuates Functional and Structural Disorders in Nerves of Galactose-fed Rats," <u>J. Neuropathol. & Exp. Neurol.</u> 56:1290-1301 (1997)
	63	Palmer et al.; "Fibroblast Growth Factor-2 Activates a Latent Neurogenic Program in Neural Stem Cells from Diverse Regions of the Adult CNS," <u>J. Neurosci.</u> 19(19):8487-8497 (1999)
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		68	Roy et al., "Identification, Isolation, and Promoter-Defined Separation of Mitotic Oligodendrocyte Progenitor Cells from the Adult Human Subcortical White Matter," <i>J. Neurosci.</i> 19(22):9986-9995 (1999)			
		69	Roy et al., "In Vitro Neurogenesis by Progenitor Cells Isolated from the Adult Human Hippocampus," <i>Nature Medicine</i> 6(3):271-277 (2000)			
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		72	Wang et al., "Isolation of Neuronal Precursors by Sorting Embryonic Forebrain Transfected Regulated by the T α 1 Tubulin Promoter," <i>Nat. Biotechnol.</i> 16(2):196-201 (1998)			
		73	Yoon et al., "Adenovirus-Mediated Gene Delivery into Neuronal Precursors of the Adult Mouse Brain," <i>Proc. Nat'l. Acad. Sci.</i> 93:11974-11979 (1996)			
		74	Zigova et al., "Intraventricular Administration of BDNF Increases the Number of Newly Generated Neurons in the Adult Olfactory Bulb," <i>Mol. Cell. Neurosci.</i> 11:234-245 (1998) <i>Cited in PTO - 892 Paper #8</i>			
<i>QN</i>		75	McDonald et al., "A Structural Superfamily of Growth Factors Containing a Cystine Knot Motif," <i>Cell</i> 73:421-424 (1993)			

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	78	Gritti et al., "Multipotential Stem Cells from the Adult Mouse Brain Proliferate and Self-Renew in Response to Basic Fibroblast Growth Factor," <u>J. Neurosci.</u> 16:1091-1100 (1996)
	79	Gloster et al., "The α 1 α -Tubulin Promoter Specifies Gene Expression as a Function of Neuronal Growth and Regeneration in Transgenic Mice," <u>J. Neurosci.</u> 14(12):7319-7330 (1994)
	80	Lothian et al., "An Evolutionarily Conserved Region in the Second Intron of the Human Nestin Gene Directs Gene Expression to CNS Progenitor Cells and to Early Neural Crest Cells," <u>Eur. J. Neurosci.</u> 9:452-462 (1997)
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	82	Gould et al., "Proliferation of Granule Cell Precursors in the Dentate Gyrus of Adult Monkeys is Diminished by Stress," <u>Proc. Natl. Acad. Sci. USA</u> 95:3168-3171 (1998)
	83	Eriksson et al., "Neurogenesis in the Adult Human Hippocampus," <u>Nature Medicine</u> 4:1313-1317 (1998)
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		92	Miller et al., "Rapid Induction of the Major Embryonic α-Tubulin mRNA, <i>Tα1</i> , During Nerve Regeneration in Adult Rats," <i>J. Neurosci.</i> 9:1452-1463 (1989)
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		Sakakibara et al., "Mouse-Musashi-1, a Neural RNA-Binding Protein Highly Enriched in the Mammalian CNS Stem Cell," <u>Dev. Biol.</u> 176:230-242 (1996)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Goldman et al.	MAR 15 2004 PATENT & TRADEMARK OFFICE 69
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			Graham et al., "Manipulation of Adenovirus Vector," <u>Methods of Molecular Biology: Gene Transfer and Expression Protocols</u> , E. Murray, ed. The Humana Press, Clifton, NJ, pp. 109-128 (1991)				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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		116	<u>Bonraeus et al.</u> , "In Vivo Transduction of the Adult Rat Ventricular Zone With an Adenoviral BDNF Vector Increases Neuronal Production and Recruitment to the Olfactory Bulb," <u>Society for Neuroscience</u> 25:1028 (1999) (abstract only)				
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<i>QW</i>		120	<u>Luskin et al.</u> , "Neuronal Progenitor Cells Derived from the Anterior Subventricular Zone of the Neonatal Rat Forebrain Continue to Proliferate <i>In vitro</i> and Express Neuronal Phenotype," <u>Molecular and Cellular Neuroscience</u> 8:351-366 (1997)				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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QW	135	Goldman et al., "Strategies Utilized by Migrating Neurons of the Postnatal Vertebrate Forebrain," <u>Trends in Neurosci.</u> 21(3):107-114 (1998)
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